CDR RID Report

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Document ECS Release A SDPS/CSMS CDR Day 4

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Review	SDPS/CSMS
Originator Ref	
Priority	2

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Category Name Client(CLS) Design   **Actionee** ECS

Sub Category   **Related RIDs**
                                              Subcategory ID

Subject ECS Security Architecture

Description of Problem or Suggestion:

A security concept design was not presented for the SDPS Client Subsystem for the Graphical User Interfaces (GUIs) to prevent the unauthorized user from modifying and/or deleting ECS Client displays. In the Workbench CSCI, the displays for a set of application programs for the Release-A Client CSC and Hypertext Viewer CSC will use software running in a graphical environment which operates under the X-Window system. There are several security vulnerabilities which exist in the use of UNIX/X-Windows displays in a multi-user system environments. The 'xhost' command in UNIX allows anyone who can log into (or break into) your system to run programs on your display has the capability to perform the following attacks and most of these can be done with no warning and leaving no trace:

1. Destroying any (or all) of your windows:
2. Opening new windows on your screen:
3. Viewing the contents of your screen remotely;
4. Logging keystrokes (including passwords); and
5. Generating spurious X events remotely.

Originator's Recommendation

A security concept design is required for the SDPS Client Subsystem for the Graphical User Interfaces (GUIs) which will employ X-Window security safeguards.

GSFC Response by: **GSFC Response Date**

HAIS Response by: **HAIS Schedule**

HAIS R. E.   **HAIS Response Date**

Status **Open**   **Date Closed**   **Sponsor** **McDonald**

****** **Attachment if any** ******